

PATENT APPLICATION 10/777,503

1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Joseph A. Zupanick

Filing Date:

February 11, 2004

Group Art Unit:

3672

Serial No.:

10/777,503

Title:

THREE-DIMENSIONAL WELL SYSTEM FOR

ACCESSING SUBTERRANEAN ZONES

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Certificate of Mailing

Express Mail No. EV 324643351 US

Date: April 12, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37.C.F.R. 1.10 on the date shown below, and addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Dear Sir:

Willie Jiles

Under 37 C.F.R. §§ 1.56, .97, and .98, Applicant respectfully requests that the references listed in the attached PTO-1449 form be considered and cited in the examination of the Application. The present Application was filed after June 30, 2003. Therefore, under the July 11, 2003, waiver of 37 C.F.R. § 1.98(a)(2)(i) by the U.S. Patent and Trademark Office, copies of U.S. Patents and U.S. Patent Application Publications listed in the attached PTO-1449 form are not enclosed. Copies of all other references are enclosed for the convenience of the Examiner.

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO. 067083.0301



PATENT APPLICATION 10/777,503

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#### **REMARKS**

Pursuant to 37 C.F.R. § 1.97(b)(3), Applicant believes this Information Disclosure Statement has been filed before the mailing date of the first Official Action. Therefore, Applicant believes no fee is due. However, if a fee is required, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P. Attorneys for Applicant

Brian W. Oaks Reg. No. 44,981

Date: April 12, 2004

Correspondence Address: 2001 Ross Avenue, 6th Floor Dallas, Texas 75201-2980 (214) 953-6986

Customer No.:

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Page 1 of 4

DATE

PTO-1449 Information Disclosure Citation	Application No. 10/777,503	Applicant(s) Joseph A. Zupanick				
in an Application	Docket Number 067083.0301	Group Art Unit 3672	Filing Date January 11, 2004			
LLO DATENT DOCUMENTS						

U.S. PATENT DOCUMENTS									
DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE				
1,488,106	03/25/1924	Fitzpatrick	NA	NA	02/05/1923				
4,333,539	06/08/1982	Lyon et al.	175	61	12/31/1979				
5,226,495	07/13/1993	Jennings, Jr.	166	278	05/18/1992				
5,411,088	05/02/1995	LeBlanc	166	265	08/06/1993				
5,653,286	08/05/1997	McCoy	166	105.5	05/12/1995				
5,775,433	07/07/1998	Hammett et al.	166	98	04/03/1996				
6,179,054	01/30/2001	Stewart	166	105.5	07/31/1998				
6,357,530	03/19/2002	Kennedy et al.	166	369	09/27/1999				
6,662,870	12/16/2003	Zupanick	166	245	01/03/2001				
6,668.918	12/30/2003	Zupanick	166	50	06/07/2002				
6,888,855	02/10/2004	Zupanick	166	50	10/19/2001				
6,708,764	03/23/2004	Zupanick	166	313	06/12/2002				
2001/0015574	08/23/2001	Zupanick	299	12	02/20/2001				
2002/0148647	10/17/2002	Zupanick	175	52	02/20/2001				
2001/0010432	08/02/2001	Zupanick	299	12	02/20/2001				
2002/0134546	11/01/2001	Zupanick	175	161	02/20/2001				
2002/0155003	10/24/2002	Zupanick	417	53	04/24/2001				
2002/0148605	10/17/2002	Zupanick	166	50	06/07/2002				
2002/0148613	10/17/2002	Zupanick	166	313	06/07/2002				
2003/0217842 .	11/27/2003	Zupanick	166	50	04/02/2003				
2003/0075322	04/24/2003	Zupanick	166	245	10/19/2001				
2004/0007389	01/15/2004	Zupanick	175	61	07/12/2002				
2004/0007390	01/15/2004	Zupanick	175	61	07/12/2002				
2003/0217842 .	11/27/2003	Zupanick	166	50	04/02/2003				
	4,333,539 5,226,495 5,411,088 5,653,286 5,775,433 6,179,054 6,357,530 6,662,870 6,668,918 6,888,855 6,708,764 2001/0015574 2002/0148647 2001/0010432 2002/0134546 2002/0134546 2002/0148605 2002/0148613 2003/0217842 2003/0075322 2004/0007390	DOCUMENT NO.         DATE           1,488,106         03/25/1924           4,333,539         06/08/1982           5,226,495         07/13/1993           5,411,088         05/02/1995           5,653,286         08/05/1997           5,775,433         07/07/1998           6,179,054         01/30/2001           6,357,530         03/19/2002           6,662,870         12/16/2003           6,668,918         12/30/2003           6,708,764         03/23/2004           2001/0015574         08/23/2001           2002/0148647         10/17/2002           2001/0010432         08/02/2001           2002/0134546         11/01/2001           2002/0148605         10/17/2002           2002/0148613         10/17/2002           2003/0217842         11/27/2003           2004/0007389         01/15/2004           2004/0007390         01/15/2004	DOCUMENT NO.         DATE         NAME           1,488,106         03/25/1924         Fitzpatrick           4,333,539         06/08/1982         Lyon et al.           5,226,495         07/13/1993         Jennings, Jr.           5,411,088         05/02/1995         LeBlanc           5,653,286         08/05/1997         McCoy           5,775,433         07/07/1998         Hammett et al.           6,179,054         01/30/2001         Stewart           6,357,530         03/19/2002         Kennedy et al.           6,662,870         12/16/2003         Zupanick           6,688,918         12/30/2003         Zupanick           6,708,764         03/23/2004         Zupanick           2001/0015574         08/23/2001         Zupanick           2002/0148647         10/17/2002         Zupanick           2002/0148646         11/01/2001         Zupanick           2002/0155003         10/24/2002         Zupanick           2002/0148605         10/17/2002         Zupanick           2003/0217842         11/27/2003         Zupanick           2003/0075322         04/24/2003         Zupanick           2004/0007389         01/15/2004         Zupanick	1,488,106         03/25/1924         Fitzpatrick         NA           4,333,539         06/08/1982         Lyor'et al.         175           5,226,495         07/13/1993         Jennings, Jr.         166           5,411,088         05/02/1995         LeBlanc         166           5,653,286         08/05/1997         McCoy         166           5,775,433         07/07/1998         Hammett et al.         166           6,179,054         01/30/2001         Stewart         166           6,357,530         03/19/2002         Kennedy et al.         166           6,662,870         12/16/2003         Zupanick         166           6,688,918         12/30/2003         Zupanick         166           6,708,764         03/23/2004         Zupanick         166           2001/0015574         08/23/2001         Zupanick         299           2002/0148647         10/17/2002         Zupanick         299           2002/0134546         11/01/2001         Zupanick         175           2002/0148605         10/17/2002         Zupanick         166           2002/0148613         10/17/2002         Zupanick         166           2003/0075322         04/24/2003         <	DOCUMENT NO.   DATE   NAME   CLASS   SUBCLASS				

# FOREIGN PATENT DOCUMENTS

							TRANSL	ATION
	1	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	YES	NO
	Y	SU-1448078	03/25/1987	Russia	E21	F 5/00-F 7/00		X
	Z	SU-1770570	03/30/1990	Russia	E21	F 7/00		X
-	AA	SU-750108	06/26/1975	Russia	E21	C 45/00		X

# NON-PATENT DOCUMENTS DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

EXAMINER DATE CONSIDERED

Page 2 of 4

PTC	D-144	9			Application					1 48	
i	nfori	nation Disclosu	re Citation		Docket Nu 067083.0	mber	Group Art Un 3672	•	Filing Date	ary 11, 200	4
		in an Applicat	ion						- Canac		-
	1			<del>`</del>	J.S. PAIEN	IT DOCUMENT	<u> </u>				
		DOCUMENT NO.	DATE			AME	CLAS	<u>s</u>	SUBCLASS	FILING	DATE
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<b></b>										TRANSL	
		DOCUMENT NO.	08/13/1998	D/	COI	UNTRY	E21C		SUBCLASS 27/24	YES X	NO
	A	WO 98/35133		<u> </u>							
	В	WO 01/44620	06/21/2001		CT		E21B		43/38	X	
	С	WO 02/061238	08/08/2002	PC	CT		E21B		43/00	X	
-	D	GB 2347157	08/30/20	U	K		E21B		43/00	X	
	E	CA 2278735	08/13/1998	Ca	anada		E21C		21/24	X	
	F	CH 653 741	01/15/1986	G	<del>rmany</del> S…	itzerland	E21B		43/24		X
		<u> </u>	<u> </u>	N	ON-PATEN	IT DOCUMENT	'S			<del>-</del>	
DOCUMENT (Including Author Title Course and Destinant Dagge)							DA	TE			
	G	B. Gotas et al., Performance of Openhole Completed and cased, 10/17/2000							2000		
	Н	R. Sharma et al., Modeling of Undulating Wellbore , 10/18-20, pp. 1-7							1993		
	1	E.F. Balbinski "Prediction of Offshore Viscous Oil Field Performance, August 18-20, 1999, pp. 1-10							1999		
	J								Date Un	known	
	К								January 2004	25,	
	L	Translation of selecte Nedra Publishers, Medra Publishers, Medra Publishers, Medical Publishers	oscow, 1997, 1	5 pa	iges					1997	
	M	Translation of selected Geotechnology, Ned					overy of Mine	rals,	"	1986	
	N	Jet Lavanway Explor	ration, "Well Si	ırve	y," Key Ene	ergy Surveys, 3	pages			11/2/199	97
	0	Precision Drilling, "I page	We Have Roots	in (	Coal Bed M	ethane Drilling	," Technology	/ Ser	vices Group, 1	Published before 08/05/20	
	Р	Smith, Maurice, "Un pages.	conventional V	Visd	om", CBM	Gas Technolog	y, New Techr	olog	gy Magazine, 5	08/15/20	003
	Q	U.S. Dept. of Energy	, "New Breed	of C	BM/CMM	Recovery Tech	nology", 1 pag	ge		July 200	3
	R	Dick Ghiselin, :Unconventional Vision Frees Gas Reserves", Natural Gas Quarterly, 2 pages							2 pages	Septemb	oer 2003
	S	CBM Review, World	l Coal, "US Dr	illin	g into Asia'	', 4 pages				June 200	)3
	Ť	Chris Skrebowski, "U	JS Interest in N	lortl	1 Korean Re	eserves", Petro	leum, Energy	Insti	tute, 4 pages	July 200	93
EXA	MINI	ER				DATE CON	SIDERED				

PTC					ion No. ,503	Applicant(s)  Joseph A. 2	Zupanick	
ir	nforr	nation Disclosur in an Applicati		Docket 067083	Number	Group Art Unit	Filing Date	ry 11, 2004
				U.S. PATE	NT DOCUMENT	s		
		DOCUMENT NO.	DATE		NAME	CLASS	SUBCLASS	FILING DATE
				OREIGN PA	TENT DOCUME	NTS		
				01111701/	01.400	CUDGL ACC	TRANSLATION	
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		DOCUI	MENT (Includi	ng Author,	litle, Source, an	d Pertinent Pag	jes)	DATE
	Α	Notification of Trans	mittal of the I	ternational	Search Report or	the Declaration	(PCT Rule 44.1)	09/09/2003
		mailed February 9, 20 Notification of Trans	004 (6 pages) r	e Internation	al Application N	the Declaration	(PCT Pula 44.1)	09/23/2003
	В	mailed February 27, 2	mittal of the li	re Internatio	search Report of	Jo PCT/US 03/	30126	03/23/2003
	D	Zupanick U.S. Patent	t Application.	entitled "Slar	t Entry Well Sys	tem and Metho	d," SN 10/004,316	10/30/2001
	•	Zupanick, U.S. Patent Application, entitled "Slant Entry Well System and Method," SN 10/004,316 10/30/2001						
	Ε	Zupanick, U.S. Patent Application, entitled "Method and System for Underground Treatment of						
		Materials," SN 10/142,817  Rial U.S. Patent Application, entitled "Method and System for Accessing a Subterranean Zone 07/01/2002						
	F							
	from a Limited Surface Area, SN 10/188,141							07/12/2002
	G Zupanick, U.S. Patent Application, entitled "Undulating Well Bore", SN 10/194,366							07/12/2002
	H Zupanick, U.S. Patent Application, entitled "Ramping Well Bores", SN 10/194,367 07/12/200							07/12/2002
		<b>'</b>						
	1	Zupanick, U.S. Patent	Application, e	entitled "Wel	lbore Sealing Sy	stem and Metho	d," SN	07/12/2002
		10/194,368 Zupanick, U.S. Patent	A V di	4141	Ihana Caalina Cu	stam and Matha	d " CN	07/12/2002
	J	Zupanick, U.S. Patent 10/194,422 PUBLISI		ntitied "Wei	ibore Sealing Sy	stem and Memo	u, SIN	07/12/2002
	К	Zupanick, U.S. Patent	Application, e	ntitled "Wel	lbore Sealing Sy	stem and Metho	d," SN	07/12/2002
		10/406.037 Published						
	L	Zupanick, U.S. Patent	Application, e	ntitled "Syst	em and Method	for Subterranea	n Access", SN	08/22/2002
		10/227,057			1.0	C C + 11'	D	00/12/2002
	М	Zupanick, U.S. Patent Dual Well System", S		ntitled "Met	hod and System	for Controlling	Pressure in a	09/1·2/2002
	N	Zupanick, U.S. Patent	Application e	ntitled "Thre	e-Dimensional V	Well System for	Accessing	09/12/2002
	••	Subterranean Zones,"	SN 10/244,083	3				
	0	Zupanick, U.S. Patent	Application, e	ntitled "Acc	elerated Producti	on of Gas from	a Subterranean	09/17/2002
		Surface", SN 10/246,0	052	14 445 5			1 '16	10/02/2002
	P	Zupanick, U.S. Patent Subterranean Zone Us				tor Removing F	luid from a	10/03/2002
EVA	MINI		mig and Emary	cu Cavily,	DATE CON	SIDERED		I
EAA	TATTI AT							

PTO-1449			Application No.   Applicant(s)   10/777,503   Joseph A. Zupanick						
In	forn	nation Disclosur	e Citation	Docket Nu		Group Art Unit	Filing Date		
<b>''</b> '		in an Applicati		067083.0	301	3672	Janua	ry 11, 2004	
		in an Applicati	<u></u>	U.S. PATEN	T DOCUMENT	S	I		
		DOCUMENT NO.	DATE	N	AME	CLASS	SUBCLASS	FILING DATE	
	FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO	DATE	COL	INTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	DOCUMENT NO.   DATE   COUNTRY   CLASS   SUBCLASS   YES   NO								
	NON-I AILM DOCUMENTO								
		DOCUI	MENT (Includin	g Author, Tit	le, Source, and	Pertinent Page	s)	DATE	
	Α	Zupanick, U.S. Patent Well Without Utilizin	Application, en	ntitled "Metho . SN 10/267.4	od of Drilling L 126	ateral Wellbores	from a Slant	10/08/2002	
	В	Zupanick, U.S. Patent	Application, en	ntitled "Metho	d and System 1	or Circulating Fl	uid in a Well	12/18/2002	
	С	System", SN 10/323, Zupanick, U.S. Patent	Application, en	ntitled "Metho	od and System i	for Controlling th	e Production	12/23/2002	
	D	Rate, SN 10/328,408  Zupanick, U.S. Patent Application, entitled "Wellbore Sealing System and Method," SN 07/12/2002							
		10/406,037							
	E	Rial, U.S. Patent Application, entitled "Method and System for Recirculating Fluid in a Well System," SN 10/457,103							
	F	Zupanick, U.S. Patent Application, entitled "Three-Dimensional Well System for Accessing Subterranean Deposits from the Surface and Tools Therefor," SN 10/630,345							
	G	1 00/45/0000							
	Н	Zupanick, U.S. Patent	Application, er	titled "Metho	d and System f	or Testing Partial	lly Formed	11/17/2003	
		Hydrocarbon Well for	Evaluation and	l Well Plannin	ig Refinement,'	' SN 10/715,300			
	ł	Seams, U.S. Patent Ap Subterranean Well Bo			and System for	Extraction of Res	sources from a	11/26/2003	
	j	Zupanick, U.S. Patent 10/749,884	Application, er	titled "Slant I	Entry Well Syst	tem and Method,	'SN	12/31/2003	
	К	Zupanick, U.S. Patent Deposits from the Sur			d and System f	or Accessing a S	ubterranean	01/20/2004	
	L	Zupanick, U.S. Patent Hydrocarbon Well for	Application, er	titled "Metho	d and System f	or Testing Partia	lly Formed	01/30/2004	
_	М	Pratt, U.S. Patent App					Wells,"	02/04/2004	
	N	SN 10/772,841							
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Attorney's Docket No.: 17601-032002 / 067083.0301

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph A. Zupanick

Art Unit: 3672

Serial No.: 10/777,503

Examiner: Jennifer Hawkins Gay

Filed

: February 11, 2004

Title

: THREE-DIMENSIONAL WELL SYSTEM FOR ACCESSING

SUBTERRANEAN ZONES

#### MAIL STOP RCE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

### INFORMATION DISCLOSURE STATEMENT

The present Application was filed after June 30, 2003. Therefore, under the July 11, 2003, waiver of 37 C.F.R. § 1.98(a)(2)(i) by the U.S. Patent and Trademark Office, copies of U.S. Patents and U.S. Patent Application Publications listed in the attached PTO-1449 form are not enclosed. Copies of all foreign art and non-patent literature are in electronic .pdf format on the enclosed CD-ROM for the convenience of the Examiner. Paper copies of any or all foreign art and non-patent literature are available upon request.

A copy of a communication from a foreign patent office in a related application is also enclosed.

This filing is being made with the filing of a Request for Continued Examination. A check for \$770.00 for the Request for Continued Examination fee is included. Please apply any other charges or credits to Deposit Account 06-1050.

Respectfully submitted,

A Susuold Joskua A. Griswold Reg. No. 46,310

Fish & Richardson P.C. 5000 Bank One Center 1717 Main Street

Dallas, Texas 75201

Telephone: (214) 292-4034 Facsimile: (214) 747-2091

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CERTIFICATE OF MAILING BY EXPRESS MAIL

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September 29, 2004

Date of Deposit

Substitute Form PTO-1 (Modified)

U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 17601-032002

Applicant

Application No. 10/777,503

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Joseph A. Zupanick Filing Date

Group Art Unit

(37 CFR §1.98(b))

February 11, 2004

3672

U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
	A1	3,385,382	05/28/1968	Canalizo, et al.		-		
	A2	4,020,901	05/03/1977	Pisio et al.				
	A3	4,030,310	06/21/1977	Schirtzinger				
	A4	4,136,996	01/30/1979	Burns				
	A5	4,151,880	05/01/1979	Vann				
	A6	4,182,423	01/08/1980	Ziebarth et al.				
	A7	4,226,475	10/07/1980	Frosch et al.				
	A8	4,422,505	12/27/1983	Collins				
	A9	4,463,988	08/07/1984	Bouck et al.				
	A10	4,536,035	08/20/1985	Huffman et al.				
	A11	4,603,592	08/05/1986	Siebold et al.				
	A12	4,651,836	03/24/1987	Richards				
	A13	4,776,638	10/11/1988	Hahn				
	A14	4,832,122	05/23/1989	Corey et al.				
	A15	5,148,877	09/22/1992	MacGregor				
	A16	5,287,926	02/22/1994	Grupping				
	A17	5,355,967	10/18/1994	Mueller et al.				
	A18	5,431,482	07/11/1995	Russo				
	A19	5,775,443	07/07/1998	Lott				
	A20	6,019,173	02/01/2000	Saurer et al.				
	A21	6,030,048	02/29/2000	Hsu				
	A22	6,062,306	05/16/2000	Gano et al.				
	A23	6,065,551	05/23/2000	Gourley et al.				
	A24	6,119,776	09/19/2000	Graham et al.				
	A25	6,189,616	02/20/2001	Gano et al.				
	A26	6,244,340	06/12/2001	McGlothen et al.				
	A27	6,575,255	06/10/2003	Rial et al.				

Examiner Signature

**Date Considered** 

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-032002	Application No. 10/777,503	
	losure Statement	Applicant Joseph A. Zupanick		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date February 11, 2004	Group Art Unit 3672	

			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A28	6,591,922	07/15/2003	Rial et al.			
	A29	6,595,301	07/22/2003	Diamond et al.			
	A30	6,595,302	07/22/2003	Diamond et al.			
	A31	6,644,422	11/11/2003	Rial et al.		_	
	A32	6,646,441	11/11/2003	Thompson et al.			
	A33	6,722,452	04/20/2004	Rial et al.			
	A34	6,758,279	07/06/2004	Moore et al.			
	A35	2003/0164253 A1	09/04/2003	Trueman et al.			
	A36	2003/0221836 A1	12/04/2003	Gardes			
	A37	2004/0011560 A1	01/22/2004	Rial et al.			
	A38	2004/0033557 A1	02/19/2004	Scott et al.			
	A39	2004/0060351 A1	04/01/2004	Gunter et al.			

	Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Transla	ition	
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No	
	B1	AU 85/49964- A	11/20/1986	Australia			Abstract Only		
	B2	CA 2,210,866	01/19/1998	Canada			N/A		
	В3	DE 197 25 996 A1	01/02/1998	Germany			Abstract Only		
	B4	EP 0 819 834 A1	01/21/1998	EPO			Abstract Only		
	B5	FR 964,503	08/18/1950	France			Y		
	В6	GB 2 255 033 A	10/28/1992	United Kingdom			N/A		
	B7	WO 94/28280	12/08/1994	WIPO			N/A		

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	ID D	Document

Examiner Signature	Date Considered				
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with					
next communication to applicant.	Substitute Disclosure Form (PTO-1449)				

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-032002	Application No. 10/777,503
Information Disclosure Statement by Applicant (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Joseph A. Zupanick	
		Filing Date February 11, 2004	Group Art Unit 3672

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
macr	C1	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (7 pages) re International Application No. PCT/US 03/04771 mailed July 4, 2003
	C2	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (5 pages) re International Application No. PCT/US 03/21891 mailed November 13, 2003
	C3	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (4 pages) re International Application No. PCT/US 03/38383 mailed June 2, 2004
	C4	Kalinin, et al., Translation of Selected Pages from Ch. 4, Sections 4.2 (p. 135), 10.1 (p. 402), 10.4 (pp. 418-419), "Drilling Inclined and Horizontal Well Bores," Moscow, Nedra Publishers, 1997, 4 pages
	C5	Zupanick, "System And Method For Directional Drilling Utilizing Clutch Assembly," S/N 10/811,118, March 25, 2004 (35 pages)
	C6	Zupanick et al., "Slot Cavity," S/N 10/419,529, April 21, 2003 (44 pages)
	C7	Zupanick, "System and Method for Multiple Wells from a Common Surface Location," S/N 10/788,694, February 27, 2004 (26 pages)
	C8	Field, T.W., "Surface to In-seam Drilling - The Australian Experience," Undated, 10 pages
	C9	Drawings included in CBM well permit issued to CNX stamped April 15, 2004 by the West Virginia Department of Environmenal Protection (5 pages)
	C10	Website of Mitchell Drilling Contractors, "Services: Dymaxion – Surface to In-seam," http://www.mitchell drilling.com/dymaxion.htm, printed as of 06/17/2004, 4 pages
	C11	Website of CH4, "About Natural Gas – Technology," http://www.ch4.com.au/ng_technology.html, copyright 2003, printed as of 06/17/2004, 4 pages
	C12	Thomson, et al., "The Application of Medium Radius Directional Drilling for Coal Bed Methane Extraction," Lucas Technical Paper, copyrighted 2003, 11 pages
	C13	U.S. Department of Energy, DE-FC26-01NT41148, "Enhanced Coal Bed Methane Production and Sequestration of CO2 in Unmineable Coal Seams" for Consol, Inc., accepted October 1, 2001, 48 pages
	C14	U.S. Department of Energy, "Slant Hole Drilling," March 1999, 1 page
	C15	Desai, Praful, et al., "Innovative Design Allows Construction of Level 3 or Level 4 Junction Using the Same Platform," SPE/Petroleum Society of CIM/CHOA 78965, Canadian Heavy Oil Association, 2002, pp. 1-11
	C16	Bybee, Karen, "Advanced Openhole Multilaterals," Horizontal Wells, November 2002, pp. 41-42
	C17	Bybee, Karen, "A New Generation Multilateral System for the Troll Olje Field," Multilateral/Extended Reach, July 2002, 2 pages
	C18	Emerson,, A.B., et al., "Moving Toward Simpler, Highly Functional Multilateral Completions," Technical Note, Journal of Canadian Petroleum Technology, May 2002, Volume 41, No. 5, pp. 9-12

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	Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-032002	Application No. 10/777,503
Information Disclosure Statement by Applicant		Applicant Joseph A. Zupanick		
۱,	(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date February 11, 2004	Group Art Unit 3672

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	C19	Moritis, Guntis, "Complex Well Geometries Boost Orinoco Heavy Oil Producing Rates," XP-000969491, Oil & Gas Journal, February 28, 2000, pp. 42-46
	C20	Themig, Dan, "Multilateral Thinking," New Technology Magazine, December 1999, pp. 24-25
	C21	Smith, R.C., et al., "The Lateral Tie-Back System: The Ability to Drill and Case Multiple Laterals," IADC/SPE 27436, Society of Petroleum Engineers, 1994, pp. 55-64, plus Multilateral Services Profile (1 page) and Multilateral Services Specifications (1 page)
	C22	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (4 pages) re International Application No. PCT/US 03/13954 mailed September 1, 2003
	C23	Logan, Terry L., "Drilling Techniques for Coalbed Methane," Hydrocarbons From Coal, Chapter 12, Copyright 1993, Title Page, Copyright Page, pp. 269-285
	C24	Hanes, John, "Outbursts in Leichhardt Colliery: Lessons Learned," International Symposium-Cum-Workshop on Management and Control of High Gas Emissions and Outbursts in Underground Coal Mines," Wollongong, NSW, Australia, March 20-24, 1995, Title page, pp. 445-449
	C25	Williams, Ray, et al., "Gas Reservoir Properties for Mine Gas Emission Assessment," Bowen Basin Symposium 2000, pp. 325-333
	C26	Brown, K., et al., "New South Wales Coal Seam Methane Potential," Petroleum Bulletin 2, Department of Mineral Resources, Discovery 2000, March 1996, pp. i-viii, 1-96
	C27	Fipke, S., et al., "Economical Multilateral Well Technology for Canadian Heavy Oil," Petroleum Society, Canadian Institute of Mining, Metallurgy & Petroleum, Paper 2002-100, to be presented in Calgary Alberta, June 11-13, 2002, pages 1-11
	C28	PowerPoint Presentation entitled, "Horizontal Coalbed Methane Wells," by Bob Stayton, Computalog Drilling Services, date is believed to have been in 2002 (39 pages)
	C29	Denney, Dennis, "Drilling Maximum-Reservoir-Contact Wells in the Shaybah Field," SPE 85307, pages 60, 62-63, October 20, 2003

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